

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028521**Date Inspected:** 04-Oct-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job site

CWI Name:	Patrick Swain		
Inspected CWI report:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A

CWI Present:	Yes	No
Rod Oven in Use:	Yes	No
Weld Procedures Followed:	Yes	No
Verified Joint Fit-up:	Yes	No
Approved WPS:	Yes	No
Delayed / Cancelled:	Yes	No
Component:	OBG	

Bridge No: 34-0006**Summary of Items Observed:**

Quality Assurance Inspector (QAI) Rodney Patterson was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

The QAI observed ABF/JV qualified welder Rick Clayborn #2773 performing Carbon Arc Gouging (CAG) for the repair of the deck access hole weld designated as DAH-12W-PP116.5-W5. The ABF/JV QC inspector Patrick Swain was observed performing magnetic particle testing (MT) in way of the repair excavations at the following locations,

DAH-12W-PP116.5-W5

Y=3500~4380, Depth 11.5, Width 55mm, Length 780mm

The ABF qualified welder Rick Clayborn #2773 was observed later in the shift performing Shielded Metal Arc Welding (SMAW) in the 4G position utilizing the Caltrans approved Welding Procedure Specifications ABF-WPS-D1.5-1004-Repair at the above mentioned location. The weld and surrounding area was brought to a temperature of 325°F by the use of induction heaters and maintained throughout the welding process. The repairs were then observed to be post heated at 450°F for one hour as required by the applicable repair document. The weld repairs were performed in accordance with approval for repair document RWR201208-76.

Magnetic Particle Testing (OBG 13W)

This QA Inspector performed verification Magnetic Particle Testing (MT) of the lift 13W deck transverse stiffener

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retrofit plate at panel point 120.6 . This QA Inspector generated a TL-6028 MT report on this date. The results of the inspection are as follows;

13W deck transverse stiffener retrofit plate (Weld No. 13W-PP120.6-Retro Pl-C)

The QAI performed a minimum of 15% verification of this fillet connection. No rejectable indications were observed at the time of inspection.

The QAI spent a portion of this shift reviewing and documenting the status and completion of various production welding tracking logs for lift 13E-14E drop-in deck work currently in-process. The QA recorded the information on the OBG tracking log.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Conversations relevant to the work being performed.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Patterson,Rodney	Quality Assurance Inspector
Reviewed By:	Reyes,Danny	QA Reviewer
